

CLAIMS:

1. A system for detecting an abnormality in a physiological condition of a user and for alerting people to said abnormality, said system comprising monitor means for monitoring a signal representative of the physiological condition, said monitor means comprising:

5 - sensor means arranged to be located on the body of the user for detecting said signal;

- detection means actuated by said sensor means and arranged to process said signal in order to derive a feature in the signal characteristic to said abnormality;

10 - alarm means arranged to trigger an alarm signal upon a detection of said feature by the detection means; and

- transmission means arranged to transmit the alarm signal to a station responsive to said alarm signal, characterized in that the detection means are arranged on a user-side of the system, the alarm signal being the sole signal transmitted by the monitor means to said station.

15 2. A system according to claim 1, characterized in that the station is a stationary home-based station arranged to forward the alarm signal to a remote service center.

20 3. A system according to claim 2, characterized in that said home-based station is further arranged to control a domestic device.

4. A system according to claim 1, characterized in that the station is a mobile station arranged to forward the alarm signal to a remote service center and in that said system further comprises positioning means actuated by the alarm means, said positioning means
25 being arranged to determine a location of the user and to transmit a signal representative to said location to said remote service center.

5. A system according to any of the preceding claims, characterized in that the user-side of the system further comprises range detection means arranged to validate that the user is located within an operational range of the station.

5 6. A system according to any of the preceding claims, characterized in that said abnormality in the physiological condition is a condition of the cardiac arrest.

7. A system according to claim 5, characterized in that the system further comprises an automatic external defibrillator device provided with a telephone module
10 actuatable by the remote service center in case of an emergency.

8. A system according to any of the preceding claims characterized in that the monitor means further comprise a motion sensor arranged to monitor a physical activity of the user.

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9. A system according to claim 8, characterized in that the monitoring means are integrated in a wearable garment.